

FOLIO

UNIVERSITY OF ALBERTA
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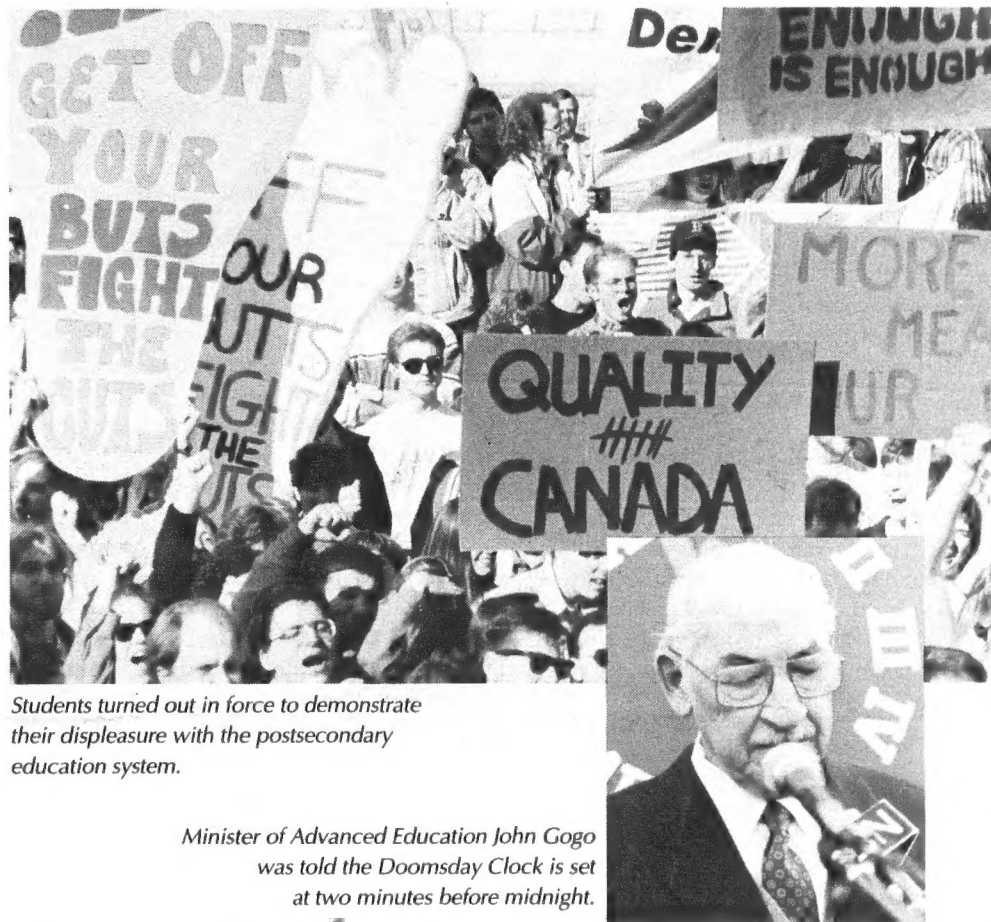
University of Alberta students who marched on the legislature last Friday had several suggestions for the provincial government that they believe would help to turn back the postsecondary education "Doomsday Clock".

Standing on the steps of the legislature as students chanted "enough talk, let's vote" and "no more cuts", march organizer Wade Deisman said students want the government to prohibit the charging of extra fees.

"We also want the government to restore its capital funding to 1986 levels," he said, as Advanced Education Minister John Gogo listened. "We also want him to lobby actively for the restoration of the six-month interest-free period on federal student loan repayments.

"We want increased accessibility to loans for those who need them and an increase in the living allowances," said Deisman, who urged the provincial government to work with the federal government on the establishment of an income contingent loan repayment system.

"Doomsday is just around the corner—not for education—but for Tory governments that don't understand that education is precious to the people of Alberta," Graduate Students' Association President Ken Ross said, urging students to make sure postsecondary educa-



Students turned out in force to demonstrate their displeasure with the postsecondary education system.

Minister of Advanced Education John Gogo was told the Doomsday Clock is set at two minutes before midnight.

tion issues are front and centre during the next provincial election. Deisman said all political parties will be targeted.

The Minister, who was repeatedly shouted down by angry students, reminded U of A students that 25 cents out of every dollar spent on advanced education goes to the University of Alberta. Acknowledging that post-secondary education is important to the province's future, Gogo said, "The taxpayers of Alberta must agree with you or they wouldn't be paying 80 percent [of the cost] of your education.

"Doomsday is just around the corner—not for education—but for Tory governments that don't understand..."

Ken Ross

The Minister congratulated students—he estimated there were about 1,500—who came out to express their views. Student leaders, however, estimated that about 6,000 students marched on the legislature. They were joined by representatives of the Action Canada Network, a group representing labour, aboriginal and women's groups, and some students from Grant MacEwan Community College.

Peter sees recruitment as big issue for Faculty of Science

New Dean says foreign student differential fee must be changed

The Faculty of Science faces recruitment of staff challenges. But it will also face stiff competition from other universities in retaining its staff, says Richard Peter, the Faculty's new Dean who takes office this summer.

"The Faculty is only as good as the people in it," says Dr Peter, who currently chairs the Zoology Department. There'll be a lot of retirements and the Faculty has to be in a position to offer competitive salaries, good working conditions and up-to-date laboratory equipment and space to both academic and support staff.

The Dean's office will have to work closely with the departments that are recruiting, and be involved—perhaps as early as the interview stage—so that each candidate will have a good idea of just what the Faculty can offer, Dr Peter explains.

"If we continue with this budget cuts scenario, the doom and gloom atmosphere tends to set in. With that, we get people starting to get restless, thinking they'd be better off elsewhere," says Dr Peter, who arrived at the U of A in 1971 and whose accomplishments include election to the Royal Society of Canada. But faculty members have to be reminded of the strong research and teaching that goes on within the Faculty. It's not all gloom and doom, he insists.

Dr Peter says the Faculty has some formidable issues to deal with. For example, it's going to be difficult to meet undergraduate student targets. "There's a lot of pressure on the Faculty to take more and more students," he says, noting that the Faculty has a heavy service teaching load. "We have to maintain quality at the same time." (Dr Peter predicts an increase in Science students next year and a heavier service load.)

Dr Peter says that at the graduate level, the University must deal effectively with the foreign student differential fee. "They are not eligible for so many fellowships and scholarships ... and foreign students are doing as much as 50 percent of our laboratory teaching. If we lose them, we're going to be in big trouble. The University has to waive the differential fee for foreign students, in particular for those who are holding graduate teaching assistantships and graduate research assistantships.

"If we wait and talk about this for another year, our foreign students will simply disappear." Drawing attention to the waiver policies in place at most Canadian universities, he says: "The University of Calgary has a fee waiver policy. Why can't the University of Alberta have one?"

On restructuring, Dr Peter says he has no specific agenda. "I fully support the idea of vertical cuts; we do have to do some reorganizing within the University." He suggests that those units that don't have heavy teaching loads need to be more involved in teaching. "We need to work out how to develop more inter-Faculty teaching, recognizing that each Faculty has its mandate."

If cuts continue, small departments will have greater difficulties remaining viable, so the Faculty will have to examine this issue, he says. "We'll have to talk about this within the Faculty. I'm a strong believer in talking about these issues in the open, so that we can reach consensus on how we deal with budget problems. They can't be imposed by the Dean's office. It might mean some departmental organization as a means of cost saving."

Looking at the Faculty's capital needs, Dr Peter points out that people moved into the Biological Sciences Building in 1969 and a lot of the basic equipment, such as the controlled environment facilities, has reached the end of its lifespan. Physics and Chemistry have similar problems, he says. There has been some progress upgrading facilities and equipment, but there are some 20- to 25-year-old microscopes still in use. Furthermore, the capital equipment issue is related to the Faculty's ability to recruit staff. *Continued on page 5*

Business Dean stepping down

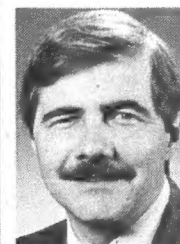
Jean-Louis Malouin is stepping down from his position as Dean of the Faculty of Business.

"Next week I will meet Vice-President John McDonald to determine the exact date of my departure," he informed his staff 12 March. "I will then propose to him the plan the Chairs and I have agreed upon to ensure that an orderly change-over would occur."

The Dean said his decision evolved over a few weeks and that when the pension rules were changed, "I realized that the changes were quite penalizing for me." He said he is now considering two job options and will make a decision in a few weeks.

Describing the Faculty as one of the best in the country, Dean Malouin said renewed budget cuts have made life difficult and limited the Faculty's flexibility. Nevertheless, he pointed out that during his tenure new programs were created, newsletters were

launched, a Business Alumni Association developed, Chairs were appointed, major donations were solicited and received, and a cooperative education program was approved.



Jean-Louis Malouin

Namibia teacher education project approved

The Centre for International Education and Development (CIED) has received final approval for a teacher education project in Namibia (in southwest Africa). The project, which is being financed by the Institutional Corporation and Development Services Division of CIDA to the extent of \$925,000, involves 10 Namibian teacher educators coming to the University of Alberta to do higher degrees in education and some Faculty of Education staff offering courses in Namibia.

The project was developed jointly by MK Bacchus, Director of CIED, with the assistance of Patricia Rowell (Elementary Education) and the staff of the Ministry of Education, Namibia, with assistance from the University of Namibia. Indications are that the Namibian director of the project will be on campus in early April for a planning session.

In other news from CIED, the Centre's application to CIDA for a Youth Initiatives Project has been approved. The project will involve a number of students in the Faculty of Education going to rural areas outside Delhi for six weeks to gain some first-hand experience of life and living in a developing country. They would also get some hands-on experience in a few developing projects.

The cooperating institution in Delhi is the Jamia Millia University; some of that institution's students will be working closely with their counterparts from the U of A.

Abraham Alladin, Associate Director, CIED, has been in India making final preparations for the visit. Marilyn Assheton-Smith (Educational Foundations) is chairing the committee that will select students for the Youth Initiatives Project. Representatives from the Alberta Teachers' Association and the Education Students' Association are also involved in the selection of students.

Bob Blair serves as executive-in-residence for Faculty of Business

Former NOVA CEO challenges students to think about Canada's future

One of Bob Blair's objectives as the Faculty of Business's executive-in-residence was to get students to think seriously about the future of their country.

"It takes a lot longer to put something good together than it does to tear it apart," says the recently retired and former Chief Executive Officer of NOVA Corporation. "I want Canada to stay together and I don't think we've really considered all the consequences of a breakup."

"There are enormously important qualities of life in Canada that extend right across this country and they're worth preserving," Blair noted that with people increasingly seeing themselves as citizens of the world and with the internationalization of capital, it's important for Canadians to remember their influential contributions in promoting so many positive social attitudes and values.

Blair, an adjunct full professor at the University of Calgary's Department of Environmental Design and now Chair Emeritus of NOVA, was on campus 9 to 13 March. He addressed classes, held office hours and attended meetings with students and faculty. "I found the thoughtfulness of the students to be quite interesting," he said upon sharing his thoughts on matters such as free trade, the future of the country and business practices.

Popular topics among students, Blair learned, are the state of business practices and ethics and how companies treat their employees. During the 1980s, a few scandalous moves by businesses made the public more skeptical about business practices, and students are beginning to realize just how much



Executive-in-residence Bob Blair visited the Winspear Business Reference Room and received a few tips on computer searching from Business Librarian Kathy West.

damage can be done by unethical business behaviour, he said.

Blair, who became a major player in the Canadian oil patch, doesn't count himself among those business leaders who see the bottom line as their only concern. Companies have to attempt to accomplish more and employees have to feel that they're part of it all, said Blair, who, as CEO of NOVA, actively recruited and employed natives. Life, after all, is a lot more complicated and people attempt to accomplish many things during their lives. Companies are a lot like that, too.

Blair is easing out of the corporate world, although he's excited about serving on Biomira's Board of Directors. He says turning over NOVA to younger executives was an "exhilarating experience" and one that was carried out as it was intended. He's resisted the temptation to accept other corporate appointments, preferring to spend a little time "looking around a bit", and involving himself in community activities.

Social Charter advocates see strong government as crucial to health of social welfare state

Tupper outlines some of possible consequences of constitutional change

Supporters of the inclusion of a social charter in the Constitution see the maintenance of a strong federal government as crucial to maintaining the social welfare state, says Allan Tupper.

Speaking at a recent talk sponsored by the Nursing Graduate Students' Association, the Chair of the Political Science Department said social charter advocates are primarily worried about a weaker federal role in funding health care and education programs.

At his talk entitled "Effects of Constitutional Change on Health Care", Dr Tupper said the Dobbie-Beaudoin Report has rejected any radical proposals which would see the federal government vacate its role in the crucial social policy areas, such as health.

The Report proposes the inclusion of a social covenant which would oblige governments to foster a social commitment to comprehensive, universal, affordable, publicly administered and accessible health care. "That is, of course, the constitutionalization of the core principles of the Canada Health Act."

"In my view, there will be some new institution established that will be the enforcement agency for the social charter," Dr Tupper said.

"So you as health care professionals will be confronting some new intergovernmental body, possibly with some public and professional participation, that will monitor the delivery of health care services."

Such an agency or commission that would report to government would probably be a step in the right direction, he suggested. Also, it "would move the debate away from the long and difficult one about rights," a debate that will not cure a single sick person. Rights and good government are not always synonymous. It [such a review body] would probably do a better job of reviewing national standards and who should be paying, he said.

It's unclear what kind of social charter or covenant will be adopted—although Dr Tupper believes one will be included in some form—but "what we do know is that governments will be held more accountable in a different forum than they are now for funding basic social programs."

If the Dobbie-Beaudoin proposals were to become law, it would also be the first time there was an explicit, constitutional recognition of the word health, he added.

TRADITIONAL JAPANESE STORYTELLER VISITING CAMPUS

The visit of Kazuko Furuya, a professional actress and storyteller from Yokohama, Japan, will provide the opportunity for people on campus to hear a style of recited ballad that has been practised in Japan since the 13th century. This style of chanted narrative with biwa (Japanese lute) accompaniment was developed by blind itinerant musicians to tell the *Tale of the Heike*, the chronicle of the Gempei War, 1180-1185.

Furuya, who is proficient in a number of styles of traditional Japanese storytelling, recently developed a style of her own for telling Japanese children's stories in English. She will demonstrate a variety of her skills on 24 March at 7 pm in L-3 Humanities Centre. Her appearance at the U of A is a side trip from her current project which is to visit native communities throughout North America to share stories and oral narrative techniques.

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CURRENTS



Environmental studies at the U of A: What do we want to teach?

The Environmental Research and Studies Centre is sponsoring a second workshop 24 March to promote and enhance environment-related teaching on campus. The workshop will start at 1 pm in CW-410 Biological Sciences Building. The keynote speech will be given by David Orr, professor of environmental studies at Oberlin College, Ohio.

Nursing chartering ceremony

The Nursing Honor Society of the University of Alberta has organized the chartering ceremony of the MU Sigma chapter of the Sigma Theta Tau International. The event is scheduled for 24 March at 5 pm at the Macdonald Hotel.

Bookstore inventory means brief closure

The University Bookstore will be closed for year-end inventory beginning at 4 pm, Wednesday, 25 March. The store will reopen on Monday, 30 March.

Library system booksale

Location: Cameron Classroom (I-20F Camer-on Library). Date: 25 March. Time: 9 am to 4:30 pm.

AWA meeting

The Academic Women's Association's Annual General Meeting will be held Friday, 3 April, from 4 to 6:30 pm in 2-103 Education North (the Kiva). A large turnout is important, says AWA President Sandra Niessen.

Professional development training session

Topic: "Managing Multiple Priorities." Date and time: 16 April, 9 am to 4 pm. Location: Banquet Room, Lister Hall. Workshop leader: Bastiaan Heemsbergen, president, Human Energy Management. Fee: \$75 (GST included). The fee includes materials, luncheon and refreshments. Those eligible may also claim from Central Professional Development Fund - not eligible for Tuition Remission. Registration deadline: 2 April.

The workshop is open to all University of Alberta staff.

Open Forum on Medical Research Council Strategic Plan

The Medical Research Council has undertaken to develop a strategic plan by June. As part of that process a number of self-managed discussion groups have been formed on campus to address a variety of issues embracing areas such as MRC's relevance, mission and roles; health research; early career development and collaboration with industry.

On 31 March, representatives from each of these discussion groups will present the highlights of their discussions at an open forum (4 to 6 pm, Bernard Snell Hall). The groups' findings, as well as the views of the audience, will form the basis for a subsequent workshop involving Council members and selected representatives of the University community. Anyone with an interest in the development and direction of medical research funding is welcome to attend the forum.

For further information on the forum or other aspects of the MRC Strategic Plan, contact Rita Spencer, Faculty of Medicine, at 492-6621, or Susan Babcock, Research Grants Office, at 492-2938.

VP's Committee on Restructuring charts steady course

The Vice-President's Committee on Restructuring, under the chairmanship of Vice-President (Academic) John McDonald, is starting by focusing on the section headed "Other Areas for Potential Structural Changes in Academic Units." (The section begins on page 19 of the February 1991 document *Maintaining Excellence and Accessibility in an Environment of Budgetary Restraint*.)

Units referred to here are: Health Sciences; Extension; Home Economics; Business, Policy and Administrative Studies; Native Studies; Vocational/Industrial Arts Education, Business Education and Home Economics Education; Biological and Life Sciences; and Petroleum and Metallurgical Engineering. Also noted are Flexibility in Course Options and Service Teaching.

BUDGET FORUM

A Budget Forum, open to all members of the University community, will be held Wednesday, 25 March, from noon to 2 pm in Bernard Snell Hall.

President Paul Davenport and the Vice-Presidents will discuss and answer questions about the 1992-93 University budget and the process for making decisions about the budget.

Bernard Snell Hall is located at the east end of the Walter C Mackenzie Health Sciences Centre.

"We're working through these with no intention of coming up with a large list of recommendations," Dr McDonald says, using the words "methodical," "normal" and "natural."

"People can expect to see a steady process where we involve people in the affected units and find out what directions they feel they should be heading in."

The Restructuring Committee consists of Royston Greenwood (Organizational Analysis), Jim Campbell (Microbiology), Sharon Brintnell (Occupational Therapy), Juliet McMaster (English), and Peter Smy (Electrical Engineering).

Dr McDonald, pointing out that the committee was formed before he was appointed Vice-President (Academic), says, "I'm very impressed with the quality of the committee. Each member is an excellent choice." He predicted that the University community would gain confidence in the committee as it goes about its work.

A number of subcommittees have been formed and are being chaired by members of the Committee on Restructuring.

Business leaders warn BCom students not to expect the moon

Institute for Retailing and Services Studies holds colloquium

Three prominent business leaders had some blunt advice for BCom students at the Canadian Institute for Retail and Services Studies (CIRASS) executive seminar and career colloquium 5 March: Don't expect high-paying jobs to start and expect to pay your dues in the trenches.

"You've got to be seen to be paying your dues," said Bruce Reed, president of The Brick Warehouse. "The most secure thing in the world is to know that you're underpaid," said Reed, who was one of six panelists on an end-of-the-day "Firing Line". Starting employees should "keep asking for more responsibilities and the rest will take care of itself."

Three business leaders and three students on the panel began their discussions by addressing these questions: Is providing motivation to work hard the responsibility of the employee or the employer? And what are you willing to do about it?

Edmonton Sun Publisher Patrick Harden said obviously both employers and employees have joint responsibilities. "Our company expects a fair day's work for a fair day's pay," he said, and it expects its employees to give 110 percent. "We have clear standards that we expect them to meet," he said, adding that in many companies one of the best motivational factors is the ability to demonstrate to employees that if they work hard they'll have opportunities to work their way up the company.

Harden said self-respect, encouragement and fear help motivate employees. "It's amazing how the threat of losing one's job concentrates the mind on the job at hand."

CIRASS Executive Director Phyllis Woolley-Fisher said many business leaders she's spoken with say starting employees simply aren't willing to roll up their sleeves and get to work. "The quality of our services and products rests so much on the quality of our employees, and so the question emerges, what is it that motivates employees to do well?"

Anne Hachey, Canadian Pacific Director of Sales for the five Mountain Resorts, said motivation is a shared responsibility. But regardless of employees' educational achievements, employees are promoted within CP

based on their attitudes and successes. "I've seen people take a job they thought they were overqualified for, and their attitude in that job is 'well, I'm just going to suffer here until someone sees me and puts me where I belong'," she said. That doesn't work.

Co-panelist Mark Reeves, a Business student, said students coming out of university want to start making \$50,000 or more a year and they don't want to have to pay their dues selling shirts or shoes.

Another student, Jeff Lechelt, agreed. He pointed out that some of his friends who have graduated are still unemployed. "They did very well in school, and they don't want to put in their time. They've spent their entire lives in school and they figure ... it's their turn to make some money." Other students said their older siblings were courted during the boom times by companies. Now the reverse is true.

Harden said that's a terrible commentary on the University. "If the University is turning out students who believe they have a right to walk into a \$40,000 job, then there's something radically wrong. Maybe it's time students started reading a few newspapers and watching some newscasts to figure out what's going on in the world."

Academics, businesspeople and students agreed that the retail/services industry has not traditionally been an attractive industry for university graduates, and yet the sector continues to grow and to contribute an increasing proportion of the country's GDP. Enthusiastic and ambitious salespeople can make a great deal of money, Harden said.

Claudette DeBruijn, Director of Placement Services, Faculty of Business, said, "Certainly, one of my frustrations has been in trying to explain to students that sales is not a dirty word. They don't want to hear from me that they'll have to start at the bottom." DeBruijn pointed out that that universities are beginning to tackle that problem.



Edmonton Sun Publisher
Pat Harden

Bears bring home national title

It was Trois-Rivières (Patriotes) down and one to go last Sunday afternoon in Toronto.

The U of A Golden Bears, having routed the Patriotes—last year's champions—9-1 on Saturday, faced off against the Acadia Axemen for Canadian university hockey supremacy. And while victory didn't come as easily as it did in the first game, the Bears, behind Todd Goodwin's hat trick and stellar goaltending by Derek Shybunga, prevailed by a 5-2 count.

It was the Bears' eighth national title, second only to the 10 captured by the University of Toronto Varsity Blues, and second under the leadership of Billy Moores.

"The overall strategy was to use as many players as possible and execute our system with discipline," Moores said.

The scoring splurge at Trois-Rivières' expense was unexpected as "we struggled a bit with our scoring all year long."

Taking a page from the Oilers' notebook, the Bears showed off the University Cup around town Monday afternoon.

Thomas Kierans to amplify 'The Quebec Challenge'

Thomas Kierans will deliver the sixth Eric J Hanson Memorial Lecture.

Kierans, president and CEO of the CD Howe Institute, will speak 31 March on "Le Défi québécois/The Quebec Challenge." The lecture is sponsored by the Department of Economics (see "Talks" section in this issue for other particulars).

Kierans has an Honors BA in Economics and Political Science from McGill University and an MBA from the University of Chicago. His distinguished career includes terms as president of Scotia McLeod, Ltd, Chair of the Ontario Economic Council, Chair of the Energy Options Advisory Council, and director of the Institute for Research on Public Policy.

The CD Howe Institute is an independent, nonprofit, research and educational institution that identifies current and emerging economic and social policy issues facing Canadians.

The lecture is in memory of Eric J Hanson, a member of the Economics Department from 1946 until 1974.

O'Brien-Cousins an advocate for older womens' physical activity

Supports a more participatory, less competitive, approach

The baby boomers grew up during a time when there was an increasing emphasis on the importance of physical activity and, as a result, are reasonably active. But what about their children?

According to Sandy O'Brien-Cousins (Physical Education and Sport Studies), the baby boomers' children are in schools right now in which physical activity is being de-emphasized. The demands are extraordinary. "And now they're being told that they're not doing a good job in the sciences and aren't competing in the world economy.

"Physical education is low on the totem pole—and that's a big mistake," says Professor O'Brien-Cousins, who was recently awarded the Canadian Association for the Advancement of Women and Sport and Physical Activity 1991 Individual Breakthrough Award, for her work with older adults.

Professor O'Brien-Cousins, who expects to complete her PhD dissertation this summer, says if those kids enter their adult years and haven't "laid down sufficient bone" and aren't in good physical condition, "they could be in for a tough ride." This generation watches more television than any other generation, they don't walk to school as their parents did, they're not responsible for heavy chores and with more families' parents now both working, extracurricular activities aren't always a high priority.



Sandy O'Brien-Cousins has spent her life in sport, as an athlete, coach and pioneer in involving seniors in physical activity.

Professor O'Brien-Cousins' research interests and coaching activities have focused more heavily on the physical activities needs of older women. In fact, the CAAWS award

was given to her for her work with older adults and her efforts to break down some of the traditionally held views regarding womens' involvement in physical activities. Through her dissertation she is examining the relationship between being a childhood tom-boy and later life exercise patterns.

The former head coach of the University's women's gymnastics team (she led the team to a number of national titles) began to direct fitness classes for seniors and, in 1986, she formed the "U of Agers", a performing gymnastics team. The team's average age is 68 and it now performs about 30 times a year at gerontology conferences, meetings of national associations, nursing homes and seniors' centres.

The advocate for a more participatory, less competitive approach to female involvement in gymnastics prompted the National Film Board of Canada to produce a film entitled "Age is No Barrier," which was first shown in Ottawa at the Aging in the 21st Century Conference in April 1991.

Professor O'Brien-Cousins represented Canada at the World Gymnastics Championships in 1966 and 1970 and at the 1967 Pan American Games where she won a silver medal. As Canada's national champion, she was at the 1968 Olympic Games. She was also a member of the gymnastics coaching staff at the 1972 Olympic Games.

University loses two friends with the passing of Donna Gunning, Dick Rice

The University of Alberta community mourns the loss of Donna Gunning, wife of former President Harry Gunning, and Dick Rice, founder of CFRN radio and television.

Mrs Gunning died 5 March after a long struggle with cancer. The holder of both a University of Alberta degree (1961, in History) and a diploma from the Faculty of Education, she taught elementary school in Edmonton for 15 years and acted as a social studies consultant to the Edmonton Public School Board. She retired in 1977 to assist Dr Gunning in his duties as University President.

The Gunnings were the last family to reside in University House and Mrs Gunning's life revolved around University activities.

Dr Rice, who also established radio station CICA in the city, had a number of ties with the U of A, the first one being the founding in 1927 of CKUA, a station that broadcast University lectures. In 1969, he chaired the Edmonton division of the 3 Alberta Universities Campaign, the first major fundraising drive of the U of A, and saw to it that the target of \$25 million was attained.

This University awarded Dr Rice an honorary degree in 1966; six years later, he received the Alumni Association Golden Jubilee Award.

Dr Rice served three terms on the University Senate. The Rice Faculty Fellowship in Business was created in his honor in 1986.

Teachers in the West lack practical experience, says prominent psychologist

Asians have different idea of what a teacher should be

There's nothing American teachers couldn't do as well or better than teachers in Taiwan, Japan or China, "but we don't take it as seriously," says Harold Stevenson, Professor of Psychology at the University of Michigan.

A leading authority in the field of developmental psychology, Dr Stevenson said, "The most exciting teaching I have ever seen in my life—after spending many hours observing in American and Asian classrooms—occurs in Asia. I think their teachers are fabulous," he said, noting that his observances have occurred in classrooms in Japan, Taiwan and China.

Dr Stevenson, who spoke on campus recently, said Asians approach teacher training differently. There is much less emphasis on university-level teacher training in Japan, Taiwan and China. Their university- or college-level training is in two areas: the subject matter and a few courses in the didactics of teaching. "That's a big contrast with the US where all of its teachers have BAs and many have MAs."

Asian teacher training is more like professional training, he explained. "The students who want to be lawyers or doctors don't spend all their time in classrooms. After, say, two years in medical schools, the students are out in wards for the next two years, observing how skilled physicians work.

"We do have student teaching, but we don't invest a great deal of money in it. Most [American] universities don't have money to send out skilled teachers to criticize and evaluate student teachers," he said, adding that that is a great weakness of American teacher training.

"In Japan, for example, every new teacher coming to the school in his/her first year, will have 20 hours of observation by a skilled teacher who has been relieved for that year in order to be a mentor to that new teacher."

Dr Stevenson said in China a few months ago an elementary school principal told him new teachers only teach one or two hours a day. "This means the teachers have lots of time to meet with other teachers, construct lessons together, and work on new material. For example, for one science class the teachers worked together for three half-days, coming up with the most effective way of presenting the information. We don't take that preparation seriously." First-year teachers in the United States, on the other hand, have so many demands placed upon them that they are worn out, he said.

"We divide the world into those who succeed and those who fail. In Asia, making an error is one of the best ways of learning."

Harold Stevenson

"One of the things that makes teaching a lot easier in these Asian countries is that they have national guidelines," he said, so if one school develops a method of teaching a lesson, other schools' teachers are invited to come and observe and criticize. In the US, a teacher generally works behind a closed door and develops their own method of teaching a lesson and does not work with others that closely.

In the US, the teacher is supposed to create the lesson and teach it masterfully, Dr Stevenson said. In these Asian countries, the

teacher is more like the performing artist. Furthermore, in Beijing, there are "model teachers" who feel obligated to teach their skills to younger teachers.

"I was stunned when I asked in Japan where they get the high school math teachers. The head of the high school told me they take the high school math teachers from the top 10 percent of math majors at the university."

Dr Stevenson said they believe that all children can learn basic lessons and that individual differences are not a limitation. "In the US, there is a strong belief that not all children can learn," he said, and that leads to a curriculum that all can reasonably handle or to the separation of the slower learners from the brighter students.

"It's a very different process when you believe that all children can learn, because then you are forced to set up learning situations that will handle this. One of the ways they do this is to divide the classes into smaller heterogeneous groups. A homogeneous group only means that the fast learners will progress even further, whereas the heterogeneous groups will allow the fast learners to teach the slow learners. The group progresses more. In the end, all the students will be able to master the curriculum, even though the fast learners will be given more difficult problems."

In the US, there are periods; in Asia, there are lessons. A lesson is a coherent unit with a beginning, development and end, he explained. In the West, teachers return to materials already covered. In Asia, they have a linear curriculum and seldom return to materials they've already covered.

The goal in an American classroom is to get the child to avoid making errors, because

making errors is an indication of potential failure. "We divide the world into those who succeed and those who fail. In Asia, making an error is one of the best ways of learning."

On the function of questions, Dr Stevenson explained that Americans believe a question is to get an answer. Asians believe good questions, excluding drills, are supposed to elicit thought. "One [question] that makes the children slow in responding is a good question," said Dr Stevenson, whose more recent work has focused on cross-national comparisons of educational achievement.

Based on observational studies conducted in Beijing, Taipei (Taiwan), Sendai (Japan), Chicago and Minneapolis classrooms, Dr Stevenson outlined some of his findings. He said an extraordinary amount of time is spent on vague discussion in American Grade 1 classrooms. "Translate this into money."

In classrooms in Asia, a rationalization of "why in the world we're dealing with this topic" is much clearer than in American classrooms. And when you ask teachers in the US to name the most important characteristic a teacher should have, they will say sensitivity. Asian teachers will say clarity is the most important characteristic, Dr Stevenson said.

In Asian classrooms, the pattern of instruction proceeds like this: instruction, seatwork, evaluation, and that pattern is repeated. In American classrooms, classes typically end with seatwork. "This is absurd. What is the function of seatwork if they don't get any feedback about it? In Sendai they don't do seatwork that isn't evaluated."

Peter

Continued from page 1

Dr Peter, who earned his BSc at the University of Calgary and his PhD at the University of Washington, says teachers within the Faculty have an external role to play as well. Over the long term, staff members are going to have to convince the public that teaching and research go hand in hand, through public lectures and supporting teachers in schools. And the Faculty will have to maintain more contact with alumni.

He believes that one possible way of helping to educate the public is to make sure that teachers explain the relationship between what they're teaching in every single class to research. "I think we have been remiss in not emphasizing this strong relationship [between teaching and research] to undergraduates. We have to make sure the students understand that what you're teaching is not a static subject but something alive and interesting," he says, fully believing that over the long term the public will come to understand this issue.

The incoming Dean has enjoyed considerable operating support from the Natural Sciences and Engineering Research Council and is hopeful his strong research program will not have to be put on hold. "I have a number of PhD students and postdoctoral fellows in my laboratory, and if I thought I couldn't maintain my research activities as Chair and now Dean, I wouldn't be doing it."

Dr Peter also sees a role for the Dean of Science on the national level. He condemns the federal government's decision to cut the Science Council of Canada as part of its most recent budget. "With the demise of the Science Council, it's even more important that we have a voice and speak up on science policy issues," he says. "The Science Council was the only organization in the country that could look at long-term science policy issues."



Richard Peter assumes a five-year term as Dean of Science 1 July.

Funding will be more prone to political whim, he contends. "We've had a lot of science policy developing from the top-down, on the basis of political initiatives," Dr Peter says, referring to the KAON nuclear physics laboratory and the space program.

"It's a big show, but there's very little to come out of it," he says of the space program, adding that the Science Council advised against involvement in it. "When we start getting science policy dictated by political directions, we end up not using the money wisely."

FORUM TO CONSIDER RANGE OF QUESTIONS ABOUT DYING

The Faculty of Medicine's Division of Bioethics is sponsoring a public forum that's dedicated to discussion of questions many people have about dying.

"Living and Dying With Dignity" will see four panelists respond to queries such as these: What can I do to make sure I will not get treatment I do not want? What are my rights when I am a patient? How can I be sure that my beliefs and values will be respected when decisions are being made about my treatment?

The panel consists of: Mary Pat Skene, president, AARN; Gerald Robertson, Health Law Institute, Faculty of Law; Thomas Dailey, St. Joseph's College, Catholic Bioethics Centre; and Helen Hays, a doctor who is with the Misericordia Hospital's Palliative Care Program.

The forum will take place 26 March at 7:30 pm in Bernard Snell Hall, Walter C Mackenzie Health Sciences Centre. Admission is free.



No, this is not one of those late season deals that Edmonton Oilers President and General Manager Glen Sather (right) is noted for. What it is is recognition of Dave Magee (centre) as one of Canada's leading sports physical therapists. Chuck Armstrong, president of the Sport Medicine Council of Canada (left), commended Dr Magee for his work on the national level, and Sather spoke of his contributions to the local sport community. Dr Magee, a member of the Department of Physical Therapy since 1973 and its Chair since 1983, was instrumental in the establishment of the Glen Sather Sports Medicine Clinic.

VICE-PRESIDENT (RESEARCH), UNIVERSITY OF ALBERTA

The University of Alberta invites applications from, and nominations of, qualified women and men for the position of Vice-President (Research). The appointee is expected to take office on 1 January 1993. The Search Committee intends to conduct interviews in June and therefore wishes to receive applications by 1 May 1992.

The University of Alberta is recognized as a centre of excellence in Canadian higher education, with many teaching and research programs of international distinction. Founded in 1908, it is the second largest university in Canada, with full-time enrollment of more than 25,000 students, in undergraduate, graduate and professional programs. It has an operating budget in excess of \$300 million, and receives more than \$70 million in sponsored and contract research funding annually. The University has one of North America's outstanding libraries, with collections exceeding 3 million printed volumes, 2.5 million microform volumes, 700,000 government documents, and 20,000 serial subscriptions.

The Vice-President (Research) is responsible for providing leadership and vision in the support and administration of research at the University through the promotion of a standard of excellence in research and scholarship which will bring international acclaim to the University's research programs. Reporting to the Vice-President (Research) are the Research Grants Office, the Office of Intellectual Property and Contracts, and several distinguished interdisciplinary research centres. The Vice-President (Research) has overall responsibility for the administration of research grants and contracts, for liaison between the central administration and public and private institutions which fund research, and for the dissemination of research findings to the community the University serves. Candidates will have a distinguished record of research and teaching, and experience in academic administration.

Those members of the University community who would like to suggest the names of possible candidates for this position should write to the President as soon as possible. The committee intends to begin interviews in early June. Those wishing to be considered for the position are urged to submit a curriculum vitae by 1 May 1992 to: Dr Paul Davenport, President, Room 3-1 University Hall, University of Alberta, Edmonton, Alberta, Canada T6G 2J9. Telephone (403) 492-3212.

The University of Alberta is committed to the principle of equity in employment. The University encourages applications from aboriginal persons, disabled persons, members of visible minorities and women.

Members of the University of Alberta community who have comments about this search are invited to write to Dr Paul Davenport, Chair of the Search Committee, or to contact any of the Committee members.

The membership of the Search Committee follows: Dr P Davenport, Chair; Mrs Mary O'Neill, Board of Governors; Mr Reg MacDonald, Board of Governors; Dr Terri Allen, teaching faculty; Dr Peggy-Anne Field, teaching faculty; Dr Cyril Kay, teaching faculty; Dr Fred Otto, Deans' Council; Dr William Bridger, Chairs' Council; Dr Norm Dovichi, AASUA; Ms Katrina Haymond, Students' Union; Mr Doug Vanhooren, Students' Union; Mr Mike Hamilton, Graduate Students' Association; Dr Frederick Greenberg, NASA.

EVENTS

EXHIBITIONS

BRUCE PEEL SPECIAL COLLECTIONS

Until 22 May

"Two Centuries of Bookbinding: Materials and Techniques, 1700-1900"—a travelling exhibition organized by the Canadian Bookbinders and Book Artists Guild. Hours: Monday and Friday, 8:30 am to 4:30 pm; Tuesday, Wednesday, Thursday, 8:30 am to 6 pm; Saturday, noon to 5 pm; Sunday, closed. B-7 Rutherford South.

CLOTHING AND TEXTILES

Until 30 April

"What is Textile Conservation?" This exhibit explains the concerns and work of textile conservators using examples of textile treatments from the lab of Conservation Services. Basement, Home Economics Building. Hours: Monday to Friday, 8 am to 5 pm.

FAB GALLERY

Until 29 March

"Colour and Dimension"—the recent paintings of Graham Peacock.

Gallery hours: Tuesday to Friday, 10 am to 5 pm; Sunday, 2 to 5 pm; Saturday, Monday and statutory holidays, closed. 1-1 Fine Arts Building.

MANULIFE PLACE

Until 1 April

"Against the Current"—a show of the work of final year students of the BFA program. Hours: 10 am to 5 pm. 7th Floor, Manulife Place, 10180 101 Street.

MCMULLEN GALLERY

Until 28 March

"Wooden Women and Other Survivors"—an exhibition of artifacts from South Asia selected by Yuri Drohomirecki from his own collection. Gallery hours: Monday to Friday, 10 am to 4 pm; Saturday and Sunday, 1 to 4 pm (subject to availability of volunteers). Information: 492-8428, 492-4211. Walter C Mackenzie Health Sciences Centre.

MUSIC

DEPARTMENT OF MUSIC

20 March, 8 pm

Visiting Artists Recital—Ivan Zenaty, violin, and Antonin Kubalek, piano. Convocation Hall.

22 March, 8 pm

Encounters IV—program to include selections from Berg, Bach, Cardy and Walton. Tickets: \$7/adults, \$5/students and seniors, available at the door. Convocation Hall.

24 March, 8 pm

Master of Music Recital—Jei Yin, clarinetist. Convocation Hall.

25 March, 8 pm

Symphonic Wind Ensemble, William Street, director. Admission: \$5/adults, \$3/students and seniors. Convocation Hall.

27 March, 8 pm

Concert Choir Concert, Debra Ollikkala, director. Admission: \$5/adults, \$3/students and seniors. Convocation Hall.

30 March, 8 pm

Stage Bands I & II, N Corlett and R Baril, directors. Admission: \$5/adults, \$3/students and seniors. Convocation Hall.

31 March, 8 pm

Chamber Music Concert, with student ensembles. Convocation Hall.

1 April, 8 pm

Chamber Music Concert, with student ensembles. Convocation Hall.

2 April, 8 pm

Graduate Composers Concert. Convocation Hall.

ACCOUNTING

20 March, 2 pm

Chandra Subramaniam, University of Minnesota, "Measuring Information Content of Corporate Announcements." B-05 Business Building.

ALBERTA CENTRE FOR WELL-BEING

24 March, 2 pm

James Battle, psychologist, "Self-Esteem: A Foundation for Well-Being." Edmonton Room, Centennial Library, 7 Sir Winston Churchill Square.

ALBERTA HERITAGE FOUNDATION FOR MEDICAL RESEARCH

20 March, 3:30 pm

Allen Shearn, Department of Biology, Johns Hopkins University, "The *Drosophila* *nm23* Gene Which Encodes a Metastasis Suppressor." Presented by Genetics. G-116 Biological Sciences Centre.

25 March, 11 am

Gerald van de Werve, associate professor and chair, Department of Nutrition, University of Montreal, "A Reinvestigation of the Liver Microsomal Glucose-6-Phosphatase System." 2J4.02 Walter Mackenzie Health Sciences Centre.

25 March, 4 pm

Elizabeth D Eldon, research associate, Institute of Molecular Genetics, Baylor College of Medicine, "Genetic Molecular and Developmental Analysis of the *Drosophila* 18-Wheeler Gene." Presented by Anatomy and Cell Biology. 5-10 Medical Sciences Building.

ANTHROPOLOGY

31 March, 3:30 pm

Margherita Mussi, Dipartimento Di Scienze Storiche, Archeologiche, E Antropologiche Dell'Antichita Sezione De Paletnologia, Universita Di Roma "La Sapienza", "The Middle/Upper Palaeolithic Transition in Italy." 14-6 Tory Building.

APPLIED MATHEMATICS INSTITUTE

20 March, 3 pm

Richard E Meyer, Center for Mathematical Sciences, University of Wisconsin, Madison, "Some Basic Theorems on Differential Conservation Laws." 657 CAB.

ARTS

McCalla Professorship Presentations

20 March, 3 pm

Malcolm Forsyth, "The Tempest: Duets and Choruses, for Oboe and String Quintet." L-4 Humanities Centre.

20 March, 3:30 pm

Lyndal Osborne, "Raiding the Environment: Expanding Imagination." L-4 Humanities Centre.

BIOCHEMISTRY

23 March, 3 pm

The John S Colter Lecture in Biochemistry. Lap-Chee Tsui, senior research scientist, Research Institute, The Hospital for Sick Children, and professor, Molecular and Medical Genetics, University of Toronto, "Molecular Genetics of Cystic Fibrosis." Bernard Snell Hall, Mackenzie Health Sciences Centre.

BOTANY

26 March, 4 pm

Barbara Nicholson, "A Study of Wetland Development in Elk Island National Park." M-149 Biological Sciences Centre.

BOTANY, ZOOLOGY, AND THE ENVIRONMENTAL RESEARCH AND STUDIES CENTRE

25 March, 8 pm

David Orr, University of Oberlin, "What Good is a Rigorous Research Agenda if You Don't Have a Decent Planet to Put it On?" (Apologies to Thoreau). B-45 Tory Building.

CANADIAN INSTITUTE FOR NORDIC STUDIES

24 March, 3:30 pm

Huculak Chair of Ukrainian Ethnography. Iaroslav Dzyra, historian, Kiev, "The History of Ukrainian First and Last Names" (in Ukrainian). 141 Arts Building.

24 March, 7:30 pm

Thorkell Sigurbjornsson, director, Reykjavik School of Music, "Travelling Without Passport or Visa: On the Historic Migrating from Iceland to Canada." 141 Arts Building.

CANADIAN INSTITUTE OF UKRAINIAN STUDIES

2 April, 7:30 pm

Mykhailyna Kotsiubynska, Institute of Literature, Ukrainian Academy of Sciences, Kiev, "Ukrainian Dissident Writers of the 1960s" (in Ukrainian). Heritage Lounge, Athabasca Hall.

CENTRE FOR RESEARCH IN CHILD DEVELOPMENT

20 March, 1 pm

James W Pellegrino, "Situating Mathematical Problem Solving in Meaningful Contexts: Theory, Design, and Data." CW-410 Biological Sciences Centre.

CHAPLAINS' ASSOCIATION

20 March, 4 pm

David Hallman, "The Earth Speaks: Science, Religion and Gaia." 158A SUB.

CHEMICAL ENGINEERING

26 March, 3:30 pm

MR Riazzi, Department of Chemical Engineering, Sharif University, Tehran, "Measurement of Diffusion Coefficients in Reservoir Fluids." 342 Chemical-Mineral Engineering Building.

2 April, 3:30 pm

S Saunders, "The Deposition of Small Particles on Glass Surfaces." 342 Chemical-Mineral Engineering Building.

CLASSICS

24 March, 3:30 pm

John Vanderspoel, Department of Classics, University of Calgary, "The Chaldaean Oracles. Date, Authorship and Purpose." 1-8 Humanities Centre.

CLOTHING AND TEXTILES

26 March, 1 pm

Michele Hardy, "Embroidery in Western India." 131 Home Economics Building.

2 April, 1 pm

Jackline Tan, "Thermal Protective Clothing." 131 Home Economics Building.

COMPARATIVE LITERATURE

20 March, 3:30 pm

Ruth Martin, "The Politics of Adaptation: Bertolt Brecht's Re-shaping of English Drama, a Marxist Polemic." Senate Chamber, Arts Building.

COMPUTING SCIENCE

23 March, 3:30 pm

Ken DeJong, George Mason University, "Genetic Algorithms: Current Directions in Research and Applications." 619 General Services Building.

27 March, 3:30 pm

Stephan Olariu, Old Dominion University, "Fast Algorithms on Enhanced Meshes." 619 General Services Building.

TALKS



DENTISTRY

28 March, 8:30 am

KE Glover, PW Major, JW MacDonald, and DB Powell, "Adult Orthodontics: Possibilities, Limitations." Fee. Information and registration: Debbie Grant, 492-5023. 4069 Dentistry-Pharmacy Centre.

EAST ASIAN LANGUAGES AND LITERATURES, INSTITUTE OF ETHNOMUSICOLOGY, MUSIC

24 March, 2 pm

Kazuko Furuya, traditional Japanese storyteller, "Traditional Japanese Music Techniques." 2-32 Fine Arts Building.

24 March, 7 pm

Kazuko Furuya, "Episode from the Tale of Heike chanted to biwa accompaniment, Passage from Love Suicides at Sonezaki and the Silver Fox's Window." L-3 Humanities Centre.

ECONOMICS

31 March, 4 pm

Eric J Hanson Memorial Lecture. Thomas E Kierans, president and CEO, CD Howe Institute, Toronto, "Le Défi québécois/The Quebec Challenge." RSVP required: 492-3306. Stollery Executive Centre, 504 Business Building.

ECONOMIC ANALYSIS

23 March, 3:15 pm

Steve Shugan, University of Florida, "Forecaster Incentives: Profit, Fear, and Services Curse" (with Chaim Ehrman, Loyola, Chicago). 4-16 Business Building.

EDUCATIONAL FOUNDATIONS AND SECONDARY EDUCATION

26 March, 3:30 pm

Virginia Floresca-Cawagas, Notre Dame University, Philippines, "Transforming the Philippine Educational System?—Critical Reflections on Values, Practices and Structures." 122 Education South.

ENGLISH

24 March, 3:30 pm

Christopher Norris, University of Wales, "How the Real World Became a Fable: Postmodernism, Intellectuals, and the Gulf War." L-3 Humanities Centre.

27 March, 1 pm

John Kott, University of Michigan, "John Foxe and the Drama of Martyrdom: The Case of John Rogers." 5-20 Humanities Centre.

30 March, 4 pm

Judith Phillips Stanton, Clemson University, North Carolina, "Women Novelists in England, 1660-1800: The Bibliography as Database." L-3 Humanities Centre.

1 April, 4 pm

Joan Brumlik, "Marie de France, the Merveilleux, and Fiction." 6-40 Humanities Centre.

ENTOMOLOGY

26 March, 4 pm

Grant S McIntyre, "Houseflies in Pig Barns: Genetics and Dispersal." TBW-1 Tory Breezeway.

2 April, 4 pm

Hector A Carcamo, "Ground Beetles in Agroecosystems: Conservation of Soil Beneficials Through Alternative Agriculture." TBW-1 Tory Breezeway.

FAMILY STUDIES

23 March, 9 am

Maryanne Poirier and Brenda Munro, "AIDS Education." 3-57 Assiniboia Hall.

30 March, 9 am

Jason Montgomery, "Family Structure and Member Satisfaction." 3-57 Assiniboia Hall.

FOREST SCIENCE

25 March, noon

S Urban, "Wind Stability, Root Growth and Root Strength in White Spruce Following Release from Aspen Competition." 849 General Services Building.

GENETICS

27 March, 3:30 pm

Alexey Atrazhev, "Some Problems in the Ezymology of Eukaryotic DNA Replication." G-217 Biological Sciences Centre.

GEOGRAPHY

20 March, 3 pm

Art Dyke, Geological Survey of Canada, Ottawa, "The Paleo-Geography of Bow-Head Whales in the Central Arctic During Deglaciation." 3-36 Tory Building.

27 March, 3 pm

LA Kosinski, "Immigration to Canada: Challenges for the 1990s." 3-36 Tory Building.

GEOLOGY

31 March, 11 am

Ralph Bullis, Echo Bay Mines, Lupin, "Controls of Gold and Sulphide Distribution at Lupin, NWT." 104 Earth Sciences Building.

2 April, 11 am

J Mortensen, Geological Survey of Canada, Ottawa, "Gold Deposits of the North China Platform: Age, Origin and Comparison with Cordilleran Examples." 104 Earth Sciences Building.

HUMAN ECOLOGY—ISSUES IN THE NORTH

24 March, 2:30 pm

Eva Cardinal and Lorraine Sinclair, Mother Earth Healing Society, "Native Spirituality and Cultural Values." L-2 Humanities Centre.

31 March, 2:30 pm

Denis Wall, "Some Issues in Northern Schooling." L-2 Humanities Centre.

INTERNATIONAL CENTRE

23 March, noon

"Consuming Hunger—Part 1 (Getting the Story)", video, 30 minutes, and "Consuming Hunger—Part 2 (Shaping the Image)", video, 30 minutes. 172 HUB International.

30 March, noon

"Consuming Hunger—Part 3 (Selling the Feeling)", video, 30 minutes. 172 HUB International.

JEWISH-CHRISTIAN-MOSLEM DIALOGUE

25 March, 3 pm

Jack Goldberg, Rosemary Hague, and Mohammed Shoush, "Religious Education in a Problematic Age." Faculty Lounge, St Joseph's College.

LAW

21 March, 9:30 am

Saturday Morning at the Law School—"Motor Vehicles and the Law." Information: 492-3115. Law Centre.

23 March, noon

Sheila Noonan, "Abortion and Feminist Legal Theory: Theorizing Connection." Faculty Lounge, Law Centre.

23 March, 8 pm

Martland Lecture. Stephen Lewis, former Canadian Ambassador to UN, "New World Order: Is There a Role for Canada?" 237 Law Centre.

LIMNOLOGY AND FISHERIES DISCUSSION GROUP

26 March, 12:30 pm
Jan Smith, University of Saskatchewan, "Fish Behavior." M-149 Biological Sciences Centre.

2 April, 12:30 pm
Dave Trew, Alberta Environment, "Long Term Trends in Internal Phosphorus Loading in Shallow Lakes in Alberta." M-149 Biological Sciences Centre.

MARKETING AND ECONOMIC ANALYSIS

30 March, 3:15 pm
Charles B Weinberg, University of British Columbia, "An Economic Analysis of Marketing Decisions for Competing Nonprofit Organizations." 4-16 Business Building.

MUSIC

24 March, 3:30 pm
Thorkell Sigurbjornsson, director, Reykjavik School of Music, "Composers in a Small Society." 2-32 Fine Arts Building.

NORTHERN BIOLOGY SEMINAR SERIES

27 March, noon
Andrew Paul, "Top-down Trophic Effects in Alpine Lakes of the Canadian Rockies." G-116 Biological Sciences Centre.

NURSING GRADUATE STUDENTS' ASSOCIATION

30 March, noon
Jan Reimer, "Preservation of Social Service Funding in the 1990's." 2-115 Clinical Sciences Building.

PHYSICS

31 March, 2 pm
H Sonnenberg, Xerox Research Centre of Canada, "Is There Life Outside Academia? Does Industry Do Good Research?" V-129 V-Wing.

PLANT SCIENCE

24 March, 12:30 pm
Kevin Daniels, "Borage Agronomy." 1-06 Agriculture-Forestry Centre.
26 March, 12:30 pm
Mitchell de Bevs, "Freezing Responses in Plants." 1-06 Agriculture-Forestry Centre.
31 March, 12:30 pm
Nyachiro Joseph, "Heat Effect on Accumulation of Dry Matter in Wheat." 1-06 Agriculture-Forestry Centre.
2 April, 12:30 pm
Rich Gibson, "MRI and Agriculture." 1-06 Agriculture-Forestry Centre.

PHILOSOPHY

23 March, 2:30 pm
Christopher Norris, University of Wales, Cardiff, "Why Should Philosophers Take Deconstruction Seriously?" 4-29 Humanities Centre.
25 March, 11 am
David Orr, Oberlin College, "The Liberal Arts, the Campus, and the Biosphere." 4-29 Humanities Centre.

POLITICAL SCIENCE

23 March, 4 pm
John Meisel, Sir Edward Peacock Professor of Political Science, Queen's University, "What's the Problem? The Constitution or the People?" TBW-2 Tory Breezeway.

RURAL ECONOMY

23 March, 3:15 pm
Brian R Heidecker, member, Central Board of the Bank of Canada, "The Central Bank and the Rural Economy." 519 General Services Building.

30 March, 3:15 pm
Scott R Jeffrey, Department of Agricultural Economics and Farm Management, University of Manitoba, "Use of Nearly Optimal Linear Programming in Agricultural Planning." 519 General Services Building.

ST JOSEPH'S COLLEGE

1 April, 2:30 pm
Father Felipe Toussaint, coordinator of Theology and Philosophy, Diocese of San Cristobal de las Casas, Chiapas, Mexico, "Indigenous People and Human Rights in Chiapas." Faculty Lounge, St Joseph's College.

SLAVIC AND EAST EUROPEAN STUDIES

23 March, 3 pm
Marusia Kaweski, "Translating Ukrainian Aspect into English." 436 Arts Building.

SOIL SCIENCE

26 March, 12:30 pm
CA Scott Smith, Agriculture Canada, Whitehorse, Yukon, "Reconstructing Late Cenozoic Paleoenvironments of Northwest North America: The Contribution of Pedology Within Interdisciplinary Studies." 2-36 Earth Sciences Building.
27 March, 2 pm
Hans-Rolf Schulten, "The Structure of Organic Matter in Soils: Biochemical, Agricultural and Environmental Consequences." 2-36 Earth Sciences Building.
2 April, 2 pm
Robert Grant, "Where is the Science in Agronomy?" 2-36 Earth Sciences Building.

UNIVERSITY TEACHING SERVICES


23 March, 2 pm
Brenda Barrett, Counselling, Grant MacEwan Community College, "Team Building." 349 CAB.
24 March, 9:30 am
Hugh C Phillips, Education and Speaking Consultant, "Speaking with Class." TBW-2 Tory Breezeway.
25 March, 3 pm
Ross Denham and Glenn Griener, "Ethics: In the University; in the Profession." 349 CAB.
26 March, 3:30 pm
Dave Collett, "Distance Learning." 1-13 Education South.
31 March, 3:30 pm
Anil Walji, "Gross Anatomy of a Lecture." 349 CAB.

WOMEN'S STUDIES PROGRAM

26 March, 3:30 pm
Nadia Torrens, "Re-Inventing Eve: Restoration of a Goddess-Image Through Myth Re-Creation." 3-26 Arts Building.

ZOOLOGY

20 March, 3:30 pm
CK Govind, Life Sciences Division, University of Toronto, "Determination of Claw Asymmetry in Lobsters." M-149 Biological Sciences Centre.
27 March, 3:30 pm
R Jan F Smith, Department of Biology, University of Saskatchewan, "Alarm Pheromones and Other Alarm Signals in Fish Predator-Prey Interactions." M-149 Biological Sciences Centre.

 This symbol denotes environmentally related seminars/events. If you wish to have an environmentally related event listed in this way, please contact: The Environmental Research and Studies Centre, 492-6659.

POSITIONS



The University of Alberta is committed to the principle of equity in employment. The University encourages applications from aboriginal persons, disabled persons, members of visible minorities and women.

SUPPORT STAFF

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, 2-40 Assiniboia Hall, telephone 492-5201. Due to publication lead time and the fact that positions are filled on an ongoing basis, these vacancies cannot be guaranteed beyond 13 March 1992. For a more up-to-date listing, please consult the weekly Employment Opportunities Bulletin and/or the postings in PSSR. Positions available as of 13 March 1992.

The salary rates for the following positions reflect adjustments in accordance with the new classification system and pay plan.

CLERK TYPIST (Grade 5) (Term for 6 Months), Student Awards, (\$1,855 - \$2,298)
PROGRAMMER ANALYST (One Year Term), Computing and Network Services, (\$2,210 - \$2,769)
BUYER (Grade 8) (Book Order Office Supervisor), Bookstore, (\$2,389 - \$3,011)

The following positions retain salary rates in accordance with the previous classification system and pay plan.

SENIOR CLERK/RECEPTIONIST (Trust), Pediatrics, (\$1,404 - \$1,744)
CLERK STENO III (Trust/Endowment), Canadian Institute of Ukrainian Studies, (\$1,565 - \$1,966)
MEDICAL STENO (SECRETARY/COORDINATOR) (Trust/Part-time), Pediatrics, (\$872 - \$1,115) (prorated)
TECHNICIAN I (Trust), Medicine, (\$1,808 - \$2,324)
TECHNICIAN I/TECHNOLOGIST I (Trust), Neuroscience/Physiology, (\$1,808 - \$2,876)
TECHNOLOGIST II (Trust) Medicine, (\$2,422 - \$3,140)

CHAIR, WOMEN'S STUDIES COMMITTEE

The Women's Studies Committee in the Faculty of Arts seeks a new Chair for the Committee and of the Women's Studies Program, effective 1 July 1992. This position normally has a term of three years. It is open to all tenured members of the Faculty of Arts; should circumstances warrant, a tenured member of a Faculty other than Arts may be appointed.

Women's Studies is a full degree program in the Faculty of Arts. The duties of the Chair include calling and conducting full Committee meetings at intervals throughout the academic year; directing the ongoing development of the Program, especially in curriculum; preparing budgets; sharing routine administration with the Program Coordinator and Program Secretary; being available to students; representing the Program in Faculty and University councils and to the public; maintaining liaison with the wider women's community and with Women's Studies programs elsewhere; and assisting in the organization of activities, such as scholarly conferences and fundraising projects.

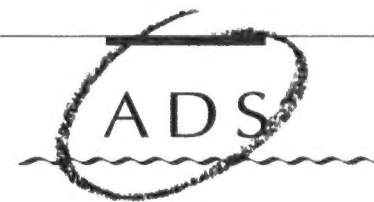
Applications or nominations for the position, supported by a curriculum vitae, should be sent to the Dean's Advisory Selection Committee, c/o Associate Dean Gurston Dacks, Faculty of Arts, 6-33 Humanities Centre. The deadline for submission of applications is 14 April 1992.

FSIDA DEADLINE

The next deadline for the submission of applications to the Fund for Support of International Development Activities (FSIDA) is 15 April 1992.

Late applications will not be considered until the 15 October 1992 deadline.

Project application forms are available by calling 492-2280. Project proposals should be directed to the office of Brian Evans, Chair, FSIDA, and Associate Vice-President (Academic and International Affairs), 3-6 University Hall.



ACCOMMODATIONS AVAILABLE

VICTORIA PROPERTIES - Experienced, knowledgeable realtor with Edmonton references will answer all queries, and send information. No cost or obligation. Call (604) 595-3200, Lois Dutton, Re/Max, Ports West, Victoria, BC.

RENT - Old Strathcona, charming, three bedroom home. Office area, garage, pretty yard. May 1992 - August 1993. \$1,200/month. Western Relocation, 434-4629.

RENT - Perfect location, Greenfield, furnished, split level. Three bedrooms up, den/bedroom main, family room, fireplace. Near French immersion school. 1 July 1992, one year lease. \$1,200. Western Relocation, 434-4629.

RENT - Oliver, new, upscale condo. Three storey, three bedroom, family room, garage, 1 April, \$1,500. Western Relocation, 434-4629.

RENT - Malmo area, three bedroom bi-level, furnished or unfurnished, 1 April, \$1,000. Western Relocation, 434-4629.

RENT - Furnished, two bedroom house, near University. 1 July 1992 - 1 July 1993. \$850/month. 435-2154.

SALE - Belgravia, 1,305' bungalow. Superb location, beautifully treed lot, hardwood floors, double garage. Just steps from the University, \$175,000. Ed Lastiwka, Royal LePage Realty, 446-3800.

SALE - Belgravia, beautifully remodelled semi. Over 1,750', bright, modern kitchen, fireplace. Superb, professionally developed basement. Great location! \$197,500. Ed Lastiwka, Royal LePage Realty, 437-7480, 446-3800.

SALE - River view! Architecturally designed, contemporary, four bedrooms. Two dens, fireplaces, decks, family room opens onto white ultra modern kitchen, oak floors, berber carpet. Liz Crockford, Spencer Realty, 435-0808.

SALE - Lansdowne, super location, near ravine. Three bedrooms up, family room open to the kitchen. Fireplace, recreation room, double garage, \$184,000. Seven minutes to University. Liz Crockford, Spencer Realty, 435-0808.

SALE - Old Riverbend, two storey, four bedrooms plus den. Family room adjacent nice kitchen, well finished basement. Schools, ravine, direct bus University, \$194,000. Liz Crockford, Spencer Realty, 435-0808.

RENT - Deluxe, two bedrooms, main floor. TV, fully furnished, \$750. 988-5225.

RENT - Hearthstone townhome, two bedrooms, study, 2 1/2 baths. May - 1 September. \$900, nonsmokers, no pets. 435-4388.

Continued on next page

SALE - Charming, Windsor Park, four bedroom home. Hardwood floors, newer kitchen, fireplace, double garage, nicely treed. Ask for Pat vonBorstel, Spencer Realty, 435-0808, 437-6540 residence.

RENT - Luxurious, seven-year-old, 3,000 square foot house, 1 April. Six bedrooms, 25 minutes from University, \$1,500/month. 459-0986.

RENT - Fully furnished house, three bedrooms plus study, Allendale. 12 May - 1 August, \$600/month. 435-1218, 492-0854.

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RENT - Two bedroom bungalow, furnished, cozy, old home, 9618 79 Street. \$750/month plus utilities, May until mid-November. Linda Warford, 465-7067 after 6 pm.

SALE - Bungalow, 1,650' view property loaded with extras - atrium, hardwood floors, island kitchen, jacuzzi, sauna and much more. For full details, call Janice Duke, Royal LePage, 437-7480.

SALE - Condo living at its best, only five minutes from University. One bedroom in LeMarchand Tower, \$98,900. Two bedroom, two storey in Galleria, \$149,900. Call Janice Duke, Royal LePage, 437-7480.

RENT - Two bedroom apartment, available immediately. Hardwood floors, newly renovated, close to University. \$525/month, including utilities and parking. Phone 463-1601.

SALE - Grandview, exclusive bungalow, 1,900'. Totally upgraded, cul-de-sac. Sherry Mailo, Re/Max, 438-7000.

SALE - Grandview bungalow, 2,000'. Drive, ravine location, three fireplaces, finished basement. Sherry Mailo, Re/Max, 438-7000.

SALE - 1 1/2 storey backing onto golf course, totally upgraded. Sherry Mailo, Re/Max, 438-7000.

SALE - Millwoods bungalow, 1,460', pie lot, gorgeous deck, hot tub. Sherry Mailo, Re/Max, 438-7000.

SALE - Laurier Heights, absolutely charming, upgraded, three bedroom bungalow on large lot opposite treed area. Super basement

development, large extension, tandem garage, two entries. Charming! Val, Spencer Realty, 435-0808.

RENT - Academy Place, two bedrooms, quiet highrise. Pool, sauna, one parking, \$750 including utilities. 478-4799, leave message.

SALE - Luxury, two bedroom condo, Waterford House, 10545 Saskatchewan Drive. Five appliances, heated underground parking, attractive assumable mortgage, \$129,900. Phone 433-0478.

SALE - East Crestwood, gracious, 3,200' home with a country feel, close to river valley. Vaulted ceilings, south facing solarium, huge fireplace, good University access. Carole-Anne Brown, Spencer Realty, 435-0808.

RENT - New lakefront home, excellent retreat, Pigeon Lake. One hour from city. Weekly/monthly. 444-7295, 492-5176.

RENT - Blue Quill, three bedroom, five-level split. Furnished or unfurnished. One year starting 1 July, August or September. Nonsmokers and no pets. 436-4912, 492-5187.

RENT - Windsor Park, fully furnished substantial home, three bedrooms, garage, deck. July-December, \$950 plus utilities. Nonsmokers, no pets, 433-0405.

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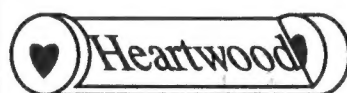
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